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EXAMINER
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GARY, ERIKA A

ART UNIT	PAPER NUMBER
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2681

DATE MAILED: 04/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/593,038

Applicant(s)

URAKAWA, YASUTAKA

Examiner

Erika A. Gary

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 January 2004.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9, 11-21 and 23-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25-31 is/are allowed.
- 6) ☒ Claim(s) 1-9, 11-15, 17-21, 23 and 24 is/are rejected.
- 7) ☒ Claim(s) 16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 13.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-9, 11-15, 17-21, 23, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tomiyori, US Patent Number 5,305,372 (hereinafter Tomiyori) in view of Akita, Japanese Patent Number JP 01212152 (hereinafter Akita) and Applicant's submission of prior art, Sanpei et al., US Patent Number 5,732,349 (hereinafter Sanpei).

Regarding claim 1, Tomiyori discloses a portable communication device for communication via a connected telephone circuit, comprising: communication destination party information memory means for storing communication destination party information including communication destination party identifying information of a communication destination party, subscriber number information of the communication destination party, and country identifying information for identifying a country where the communication destination party is a subscriber of telephone service; input/output means for displaying, in response to a user's operation, a list of the communication destination party identifying information stored in the communication destination party information memory means; calling processing means for dialing a call to a

communication destination party selected from the list of the communication destination party identifying information displayed by the input/output means; and using country information recognizing means for recognizing a country where the portable communication device is connected to the telephone circuit; wherein the calling processing means automatically converts, upon necessary, the subscriber number information stored in the communication destination party information memory means into a subscriber number suitable for a domestic or international call based on a result of comparison between the using country information recognized by the using country information recognizing means and the country identifying information of the communication destination party selected as a call destination, and dials a resultant subscriber number [fig. 1; col. 1: line 44 – col. 2: line 9]. Tomiyori also discloses that the memory means is divided into memory regions wherein different regions include communication destination party identifying information of the communication destination party and subscriber number information of the communication destination party along with the respective destination country [fig. 1: ref. 11].

Tomiyori does not specifically disclose that the communication destination party information memory means is divided into memory regions corresponding to different destination countries. However, Akita teaches this limitation.

Akita teaches an auto-dialing system in telephone communication equipment wherein the memory means is divided according to country [see purpose and constitution sections of English translation].

Further Tomiyori does not specifically disclose that the country information recognizing means automatically recognizes the country where the portable communication device is connected to the telephone circuit without a user input command. However, Sanpei teaches this limitation.

Sanpei discloses a system and method for controlling a portable communication device according to a discriminated area code wherein the country in which the device is located is recognized automatically without a user input command [col. 6: lines 9-12].

Tomiyori, Akita, and Sanpei are combinable because they are from the same field of endeavor, that is, enhanced telephone dialing features. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tomiyori to include Akita and Sanpei. The motivation for this modification, as suggested by Tomiyori, would have been to provide greater ease of use and convenience to the user by making dialing features more automatic by requiring less user intervention [col. 1: lines 30-43]. Further, how the memory means is divided lacks criticality to the overall purpose of the invention.

Regarding claim 2, Tomiyori discloses the subscriber number information includes a subscriber number for a domestic call from a country where the communication destination party is a subscriber of the telephone service to the communication destination party in the country, and the calling processing means automatically converts the subscriber number of the communication destination party, registered in the communication destination party information memory means, into a subscriber number suitable for an international call when the comparison between the

using country information and the country identifying information results that they do not coincide with each other, and dials the resultant subscriber number, the subscriber number suitable for an international call including a country code of a country specified by the country identifying information of the communication destination party [fig. 1; col. 1: line 44 – col. 2: line 9].

Regarding claim 3, Tomiyori discloses the subscriber number information includes information, at least a country code, which enables an international call from outside a country where the communication destination party is a subscriber of the telephone service to the communication destination party in the country; and the calling processing means automatically converts the subscriber number of the communication destination party, registered in the communication destination party information memory means, into a subscriber number suitable for a domestic call to the communication destination party by deleting at least the country code therefrom when the comparison between the using country information and the country identifying information results that they coincide with each other, and dials the resultant subscriber number [col. 4: lines 36-39].

Regarding claim 4, Tomiyori discloses a portable communication device for communication via a connected telephone circuit, comprising: communication destination party information memory means for storing communication destination party information including communication destination party identifying information of a communication destination party, subscriber number information of the communication destination party, and country identifying information for identifying a country where the

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communication destination party is a subscriber of telephone service; input/output means for displaying, in response to a user's operation, a list of the communication destination party identifying information stored in the communication destination party information memory means; calling processing means for dialing a call to a communication destination party selected from the list of the communication destination party identifying information displayed by the input/output means; and using country information recognizing means for recognizing a country where the portable communication device is connected to the telephone circuit; wherein when making a call, the calling processing means is able to change a selected subscriber number information, based on judgment that the subscriber number information of the communication destination party, stored in the communication destination party information memory means, is not usable for dialing a call, the judgment being based on comparison between the using country information recognized by the using country information recognizing means and the country identifying information of the communication destination party selected as a called party [fig. 1; col. 1: line 44 – col. 2: line 9]. Tomiyori also discloses that the memory means is divided into memory regions wherein different regions include communication destination party identifying information of the communication destination party and subscriber number information of the communication destination party along with the respective destination country [fig. 1: ref. 11].

Tomiyori does not specifically disclose that the communication destination party information memory means is divided into memory regions corresponding to different destination countries. However, Akita teaches this limitation.

Akita teaches an auto-dialing system in telephone communication equipment wherein the memory means is divided according to country [see purpose and constitution sections of English translation].

Further, Tomiyori does not specifically disclose that the country information recognizing means automatically recognizes the country where the portable communication device is connected to the telephone circuit without a user input command. However, Sanpei teaches this limitation.

Sanpei discloses a system and method for controlling a portable communication device according to a discriminated area code wherein the country in which the device is located is recognized automatically without a user input command [col. 6: lines 9-12].

Tomiyori, Akita, and Sanpei are combinable because they are from the same field of endeavor, that is, enhanced telephone dialing features. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tomiyori to include Akita and Sanpei. The motivation for this modification, as suggested by Tomiyori, would have been to provide greater ease of use and convenience to the user by making dialing features more automatic by requiring less user intervention [col. 1: lines 30-43]. Further, how the memory means is divided lacks criticality to the overall purpose of the invention.



Regarding claim 5, Tomiyori discloses the calling processing means automatically places the selected subscriber number information in an edit mode when the using country information does not coincide with the country identifying information [col. 1: line 67 – col. 2: line 4].

Regarding claim 6, Tomiyori discloses a temporary number memory means for temporarily storing a temporary number and using country information when the calling processing means calls the communication destination party selected, by dialing the temporary number, the temporary number being formed by editing the subscriber number information, wherein the calling processing means calls the communication destination party by dialing the temporary number temporarily stored, when the using country information recognized by the using country information recognizing means coincides with the using country information of the communication destination party stored in the temporary number memory means [col. 2: lines 61-63; col. 4: lines 8-24].

Regarding claim 7, Tomiyori discloses information of the communication destination party, stored in the temporary number memory means, is erased when the using country information recognized by the using country information recognizing means does not coincide with the using country information of the communication destination party, stored in the temporary number memory means [col. 2: lines 61-63; col. 4: lines 25-36].

Regarding claim 8, Tomiyori discloses a portable communication device for communication with a communication destination party via a base station through a connected telephone circuit, comprising: communication destination party information

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memory means for storing communication destination party information including communication destination party identifying information of a communication destination party, subscriber number information of the communication destination party, and country identifying information for identifying a country where the communication destination party is a subscriber of telephone service; input/output means for displaying, in response to a user's operation, a list of the communication destination party identifying information stored in the communication destination party information memory means; and using country information recognizing means for obtaining, from information sent from the base station, using country information of a country where the portable communication device is connected to the telephone circuit; calling processing means for specifying a subscriber number when a call is made to communication destination party selected as a called party from a list of communication destination party identifying information displayed by the input/output means, based on a comparison between the using country information recognized by the using country information recognizing means and the country identifying information of the communication destination party selected as a called party [fig. 1; col. 1: line 44 – col. 2: line 9]. Tomiyori also discloses that the memory means is divided into memory regions wherein different regions include communication destination party identifying information of the communication destination party and subscriber number information of the communication destination party along with the respective destination country [fig. 1: ref. 11].

Tomiyori does not specifically disclose that the communication destination party information memory means is divided into memory regions corresponding to different destination countries. However, Akita teaches this limitation.

Akita teaches an auto-dialing system in telephone communication equipment wherein the memory means is divided according to country [see purpose and constitution sections of English translation].

Further, Tomiyori does not specifically disclose that the country information recognizing means obtains from information sent from a base station, the country where the portable communication device is connected to the telephone circuit. However, Sanpei teaches this limitation.

Sanpei discloses a system and method for controlling a portable communication device according to a discriminated area code wherein the country in which the device is located is recognized from information sent from a base station [col. 6: lines 9-12].

Tomiyori, Akita, and Sanpei are combinable because they are from the same field of endeavor, that is, enhanced telephone dialing features. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tomiyori to include Akita and Sanpei. The motivation for this modification, as suggested by Tomiyori, would have been to provide greater ease of use and convenience to the user by making dialing features more automatic by requiring less user intervention [col. 1: lines 30-43]. Further, how the memory means is divided lacks criticality to the overall purpose of the invention.

Regarding claim 9, Tomiyori discloses the communication destination party information memory means stores, in place of the communication destination party information, at least one information, including a pair, for every communication destination party, constituting of using country information and subscriber number information to be referred to when making a call from the using country to the communication destination party, and the calling processing means places a call based on subscriber number information designated in communication destination party information including using country information coincident with using country information recognized by the using country information recognizing means [fig. 1: ref. 11].

Regarding claim 10, Tomiyori discloses a portable communication device for communication with a communication destination party via a base station through a connected telephone circuit, comprising: communication destination party information memory means for storing communication destination party information including communication destination party identifying information of a communication destination party, subscriber number information of the communication destination party, and country identifying information for identifying a country where the communication destination party is a subscriber of telephone service; input/output means for displaying, in response to a user's operation, a list of the communication destination party identifying information stored in the communication destination party information memory means; and calling processing means for dialing a call to a communication destination party selected from the list of the communication destination party identifying information displayed by the input/output means; wherein the calling processing means

adds country identifying information of the communication destination party selected as a called party to the subscriber number information of the selected communication destination party and sends to the base station when making a call [fig. 1; col. 1: line 44 – col. 2: line 9].

Regarding claim 12, it is inherent in the art to carry out radio communication using a circuit fixedly connected to circuits of the country to which the circuit was initially connected at a time of making a call.

Regarding claim 13, Tomiyori discloses a communication module for connecting to a telephone circuit; and a communication device main body for communication via the communication module; wherein the communication module comprises an antenna, transmitter/receiver means for transmitting and receiving a message via the antenna, and radio communication control means for controlling radio communication according to a predetermined communication format [col. 2: lines 39-51].

Regarding claim 14, Tomiyori discloses the portable communication device is in the form of a portable telephone device [col. 2: lines 39-41].

Regarding claim 15, the Examiner takes Official Notice that it is well known in the art to provide detachable communication modes. At the time of the invention, it would have been obvious to modify Tomiyori and Sanpei to include this feature as the physical structure of portable communication devices are a matter of design choice.

Regarding claim 17, Tomiyori discloses a communication module for connecting to a telephone circuit; and a communication device main body for communication via the communication module; wherein the communication module has using country

information replying means for replying using country information in response to an inquiry from the processing means [col. 2: lines 39-51, 57-60; fig. 1: ref. 10; col. 4: lines 15-18].

Regarding claim 18, Tomiyori discloses communication destination party information registration means for generating communication destination party information based on information concerning a communication destination party input via the input/output means, a subscriber number of the communication destination party, and a country where the communication destination party is a subscriber of the telephone service, and for registering the communication destination party information to the communication destination party memory means [fig. 1: ref. 11; col. 3: lines 23-41].

Regarding claim 19, Tomiyori discloses the communication destination party information memory means has a country registration area provided thereto in advance for every country identifying information so that communication destination party identifying information and a subscriber number are stored in the country registration area of a corresponding country [fig. 1: ref. 11; col. 3: lines 23-41].

Regarding claims 11, 20 and 21, the Examiner takes Official Notice that it is well known in the art to provide detachable memory means, such as a SIM card. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tomiyori and Sanpei to include this limitation to provide a convenient means for transferring the memory information to another device.

Regarding claim 23, Tomiyori discloses an automatic calling method employed in a portable communication device for communication via a connected telephone circuit, comprising: a communication destination party candidate displaying step of extracting communication destination party identifying information from communication destination party information memory means and displaying a list thereof, said memory means stores the communication destination party information including communication destination party identifying information of a communication destination party, subscriber number information of the communication destination party, and country identifying information for identifying a country where the communication destination party is a subscriber of telephone service; a comparison step of comparing country identifying information corresponding to a communication destination party selected from the list of communication destination party identifying information displayed at the communication destination party candidate displaying step, and using country information specifying a country where the portable communication device is connected to the telephone circuit; and a calling step of automatically converting, upon necessity, the subscriber number information of the communication destination party selected, into a subscriber number suitable for a domestic or international call based on a result of comparison made at the comparison step, and making a call [fig. 1; col. 1: line 44 – col. 2: line 9]. Tomiyori also discloses that the memory means is divided into memory regions wherein different regions include communication destination party identifying information of the communication

destination party and subscriber number information of the communication destination party along with the respective destination country [fig. 1: ref. 11].

Tomiyori does not specifically disclose that the communication destination party information memory means is divided into memory regions corresponding to different destination countries. However, Akita teaches this limitation.

Akita teaches an auto-dialing system in telephone communication equipment wherein the memory means is divided according to country [see purpose and constitution sections of English translation].

Further, Tomiyori does not specifically disclose that the country information recognizing means automatically recognizes the country where the portable communication device is connected to the telephone circuit without a user input command. However, Sanpei teaches this limitation.

Sanpei discloses a system and method for controlling a portable communication device according to a discriminated area code wherein the country in which the device is located is recognized automatically without a user input command [col. 6: lines 9-12].

Tomiyori, Akita, and Sanpei are combinable because they are from the same field of endeavor, that is, enhanced telephone dialing features. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tomiyori to include Akita and Sanpei. The motivation for this modification, as suggested by Tomiyori, would have been to provide greater ease of use and convenience to the user by making dialing features more automatic by requiring less



user intervention [col. 1: lines 30-43]. Further, how the memory means is divided lacks criticality to the overall purpose of the invention.

Regarding claim 24, Tomiyori discloses an automatic calling method employed in a portable communication device for communication via a connected telephone circuit, comprising: a communication destination party candidate displaying step of extracting communication destination party identifying information from communication destination party information memory means and displaying a list thereof, said memory means stores the communication destination party information including communication destination party identifying information of a communication destination party, subscriber number information of the communication destination party, and country identifying information for identifying a country where the communication destination party is a subscriber of telephone service; a comparison step of comparing country identifying information corresponding to a communication destination party selected from the list of communication destination party identifying information displayed at the communication destination party candidate displaying step, and using country information specifying a country where the portable communication device is connected to the telephone circuit; and a calling step of displaying, for editing, the subscriber number information when a judgment is made based on a result of comparison made at the comparison step, that the subscriber number information of the communication destination party, stored in the communication destination party information memory means, is no usable intact for dialing a call, and making a call using a resultant subscriber number edited [fig. 1; col. 1: line 44 – col. 2: line 9]. Tomiyori also

discloses that the memory means is divided into memory regions wherein different regions include communication destination party identifying information of the communication destination party and subscriber number information of the communication destination party along with the respective destination country [fig. 1: ref. 11].

Tomiyori does not specifically disclose that the communication destination party information memory means is divided into memory regions corresponding to different destination countries. However, Akita teaches this limitation.

Akita teaches an auto-dialing system in telephone communication equipment wherein the memory means is divided according to country [see purpose and constitution sections of English translation].

Further, Tomiyori does not specifically disclose that the country information recognizing means automatically recognizes the country where the portable communication device is connected to the telephone circuit without a user input command. However, Sanpei teaches this limitation.

Sanpei discloses a system and method for controlling a portable communication device according to a discriminated area code wherein the country in which the device is located is recognized automatically without a user input command [col. 6: lines 9-12].

Tomiyori, Akita, and Sanpei are combinable because they are from the same field of endeavor, that is, enhanced telephone dialing features. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Tomiyori to include Akita and Sanpei. The motivation for this modification, as

suggested by Tomiyori, would have been to provide greater ease of use and convenience to the user by making dialing features more automatic by requiring less user intervention [col. 1: lines 30-43]. Further, how the memory means is divided lacks criticality to the overall purpose of the invention.

### ***Allowable Subject Matter***

3. Claims 25-31 are allowed.

Claim 16 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1, 4, 8, 23, and 24 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erika A. Gary whose telephone number is 703-308-0123. The examiner can normally be reached on Monday-Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, supervisor Marsha Banks-Harold can be reached on 703-305-4379. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750 or to the 2600 Customer Service Office at 703-306-0377.

Erika Gary  
Primary Examiner

EAG  
April 7, 2004

  
ERIKA GARY  
PATENT EXAMINER